

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001455**Date Inspected:** 29-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 1BW,OBG 5BW, Corner Unit, Sub-Ass**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:OBG 1BW

Base metal pedestal areas were blasted to SSPC SP-10 and Interzinc 22 applied to these areas, also in process application of Interzinc 52 to inside surfaces of bolt holes.

Sub-Assemblies

Base metal faying surfaces of splice plates and catwalk channel iron were abrasive blasted to SSPC SP-10 and Interzinc 22 applied to prepared substrate.

Corner Unit Sub –Assembly

Base metal faying surface areas were abrasive blasted to SSPC SP-10 and Interzinc 22 applied to prepared substrate.

OBG 7CW, DW, EW

Bottom diaphragm faying surfaces were de-greased in preparation of abrasive blasting of faying surfaces within bay #14 fabrication shop.

LIFT #3

Assembly area cursory inspection performed with ABF QA Dave Duon to ascertain and follow up of applied coatings and extent of damages due to additional fabrication and assembly installations. Also observed and recorded were mud cracked areas at counterweight attachments to segments as well as follow-up inspection of splice plates and bottom plate assemblies.

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OBG 5BW

Segment arrive in blast workshop and blasting of base metal surfaces was performed for chloride values. All locations were 10-20us/cm on exterior surfaces. Production blasting commenced.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley, International Protective Coatings technical service representative Zili Peng was also in attendance.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
